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23 January 1965

Declass Review by NGA.

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	MEMORANDUM FOR: THE RECORD	
	SUBJECT: Trip Report: 19 January visit to for materials in association with "P.I. Performance Study #2" part of the Project DIMVIEW program	25X1
25X1	ATTEMPES:	:
- Siberita →		
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	For the current accelerated study on P.I. performance as a function of stereo covergence and obliquity, we are faced with a March deadline which makes any sort of overflights for acquiring actual photographs out of the question. We are thus, for the meanwhile, abandoning "objective" techniques which are being developed for the longer-term DIMVIEW program and are resoluting to subjective "preference" tests similar to those recently used	
25X1	for color evaluation program.	:
ger mings often and	DD/SET has been funding a project with to produce a detailed, realistic scale model which can be photographed for the purposes of simulating high altitude, high resolution photography. Consequently, we have turned	25X1
25X1	to as an expeditious source of simulated photography for the performance study #2. Funding will be assumed by DD/S&T under their existing contract	
25X1	with on this particular effort. The two efforts are entirely compatible since one of DD/S&T's charges to is to prove the "utility" of the model in its present state, before further funds are allowed.	25X1
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The model is only partially completed -- to an 8° x 8' area -- but will eventually extend over a 20' x 20' area. It is, however, luxurious in detail and contains a variety of terrain and subject matter: for instance, a rural area with hilly, natural landscape; a cliff of some proportion which forms the boundary to a superhighway and provides the support for one side of a bridge which crosses over the highway; a railroad track (with trains) parallel to the highway; a light industry; a housing development with detail down to the side of lawnmowers and a bird approaching a birdbath; cars, etc. . . Plans are in store for at least part of an airport, military activity in the natural terrain, an apartment building.

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25X1	Trip Report - 19 January 1965	
	The model is housed in a ramshackled, unheated old theatre in center. "Aerial" photographs can be made from a catwalk at approximately 55-60' above the model, which is on a revolving disc and can be oriented as preferred.	25X
	Sky lighting is simulated by a cone of lights which are movable and form the framework of a wort of enormous tepes over the model. A sun can be "hung" at almost any elevation and azimuth. Our interest is, of course, in simulating the sun angles common to the Soviet geography.	
- oppo	We specified two sets of photographs: 1.) at 0° obliquity, stereo convergences of 10°, 15°, 20°, and 30°; 2.) each of the above convergences at obliquities of 10°, 20°, 30°, 45° and 60°.	-
25X1	Priorities will be put on the 0°/0° reference vertical, on angles of convergence between 20° and 30°, and on obliquities of 20°, 45° and 60°. Each condition is to be photographed four times with two varying sun angles and three orientations of the model for different stereo effects. Not all of the photographs will be used, but we hope to provide the people with some alternatives from which they can narrow a selection as they see fit.	25X
	All other specifications which we have set pertain specifically to simulating one particular new acquisition system.	
25X1 25X1	is coordinating this short-term effort for us because of some special clearances which we share; and technical advisor for the crew.	25X
		25X
	Development Branch, P & D S	

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